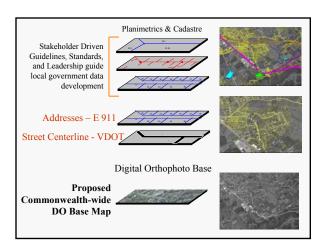


# The Virginia Base Mapping Program (VBMP)

Goal: move towards one consistent, accurate, and efficient statewide spatial information infrastructure that will streamline state and local government operations, facilitate data sharing, and a support a broad range of citizen services.

## **Objectives 2002:**

- 1. Acquire digital orthophotography at 1:4,800 (rural) or 1:2,400 (urban) for the entire land base of Virginia in 2002.
- 2. Acquire and fully integrate accurate <u>road centerlines</u> (VDOT) with appropriate attribution.
- 3. Coordinate a collaborative procedure that will establish and maintain an accurate statewide geocoded address file.
- 4. Produce and distribute a <u>reference book</u> with <u>guidelines and standards</u> for the development, use, and maintenance of local government spatial data and applications



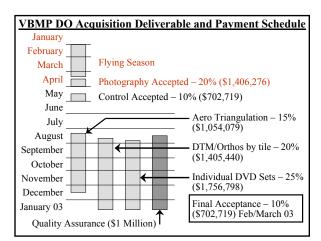
COMMONWEALTH OF VIRGINIA

GOVERNOR WARNER ANNOUNCES UNPRECEDENTED STATEWIDE MAPPING PROGRAM

e must have accurate information on our land use, public services and facilities, and natural resources - and be able to easily lange at among state and local agencies—if we are to effectively manage our future, 'said Virginia Secretary of Technology George stress, 'm.' by Furginia Besc Mapping Forgiam will for the first time allow every local government and every state agency to share galler, consistent mapping foundation upon which to organize and maintain such critical data. In addition this project is saving vidual local governments over 97% of the cost of rectains goal digital mapping on their own."

tes will be used in the remaining two phases of the program to create accurate digital photos ("digital orthoimagery") covering tately 48,000 square miles, with the end product available to each of Virginia's cities, counties, and state agencies by February

ation contact Bill Shinar, (804) 786-8175, Virginia Geographic Information Network (VGIN), www.vgin.state.va.us.



# **VBMP Flight and Control Review Team**

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Transportation Engineer Senior, Photogrammetry Manager, VDOT

Mike Zamuda, L.S. State Geodetic Survey Engineer, VDOT

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# **VBMP Radiometry Review Team**

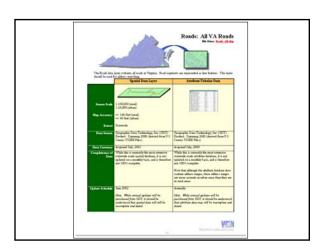
Kathy Prescott GIS Manager, Prince William County

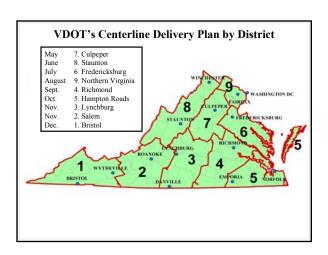
Larry Stipek
Director, Office of Mapping and Geographic Information,
Loudoun County

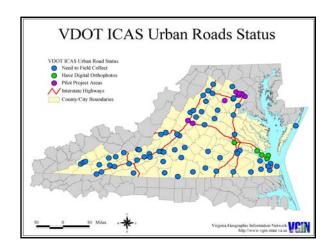
John Simmers, C.P., L.S. Transportation Engineer Senior, Photogrammetry Manager, VDOT

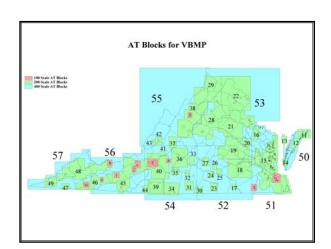
John Scrivani Research Forester, Virginia Department of Forestry (VDOF)

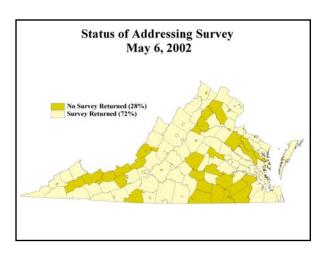
Assistant Coordinator for Local Government, VGIN











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# **VBMP GIS Reference Text** Or Local Government GIS Application "how to" Manual Public Safety Communications E - 911 Fire & Rescue Travel Time & Distance Analysis **Incident Mapping** Hazmat & Disaster Pre-Planning **Emergency Operations Management** Strategic Planning & Analysis Schools School Boundary Redistricting Strategic Planning/Capital Needs **Bus Routing** Registrar Address Verification for Voter Registration Redistricting Police Crime Mapping/Analysis Strategic Planning/Capital Needs Crime Prevention

Develop. & Maintenance of Comprehensive Plan Zoning Enforcement – Rezoning Plan Review/Development Analysis Wireless Communication Existing & Proposed Tower Site Analysis Historic & Cultural Inventory/Preservation Transportation Planning & Maintenance  Operations Address Assignment Geodetic Monument Inventory Status	
■ Health Department  Epidemiology ■ Finance/Tax − Parcel Mapping  Land Ownership I. D./Property Inventory Property Assessments Equalization Archive of Parcel Changes Site Plan/Plat Review ■ County Exec. & Board of Supervisors Demographic Analysis Capital Improvement Project Analysis Land Use & Development Studies County Asset Inventory	
■Park Authority  Site Location and Analysis  Asset Inventory ■Economic Development  Available Building & Site Inventory Site Location & Evaluation Market Research Analysis Studies	

	7
■Public Works/Service Authority	
Water & Sewer Service Areas	
Pipe Inventory	
Water Meter Location Inventory	
Landfill Management	
Storm Water Management System	
Storm Water Drainage System Inventory	
NPDES Program	
Wetlands Inventory Soils Analysis	
Environmental Impact Analysis	
Environmental Impact Analysis	
	7
■Spatial Data	
Minimal Requirements	
Optional Requirements	
■Attribute Data	
Minimum Requirements	
Optional Requirements	
■Data Acquisition Options	
(integrated with VBMP digital orthos)	
■Data Conflation Options	-
(integrated with VBMP digital orthos)	
■Internet Functionality & Options	-
Minimum Technical Requirements	
(Optimum Technical Requirements)	
Administrative/Management Requirements	
■Cost – Cost/Benefit	
Standards/Guidelines Summary	
Startup Procedures/Steps	
Estimated Time Line and/or	
Implementation (stand alone) Schedule	
Best Practices Examples in Virginia	

- ■Anderson & Associates (Blacksburg, Virginia)
- **GeoDecisions** (Newport News, Virginia)
- ■ILS (Silver Spring, Maryland)
- •Michael Baker Corporation (Virginia Beach, Virginia)
- ■MSAG (Orange, Virginia)
- ■Terralogic (Staunton, Virginia)

Special recognition will be given to firms that contributed to the VBMP GIS Reference text.

# Distribution

- All Virginia local jurisdictions (134)
- Distributed with the VBMP orthophotography

# Virginia Base Mapping Program (VBMP) Virginia E-911 Wireless Services Board Virginia Geographic Information Network
